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# Transmittal Slip #  
# Printed Date: 03/23/2006 #  
# Creation Date: 03/23/2006 #  
# Created By: bmiller(Barbara Miller) #  
# Project Number: IL2006003 #  
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Distribution

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Director Of Signal Construction 2 Copies      General Supervisor 2 Copies  
Director Of Materials 1 Copy      Supervisor Of Signals 2 Copies  
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Please complete the information at the bottom of this form and return with  
"As In Service" plans to the Director of Signal Design  
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Location: Hume, IL  
Division: MIDWEST      Sub Division: DECATUR  
Signal Supervisor: WARE, CHARLIE

AFE Number:      OP Number: IL0188      DOT Number: 154497T

Mile Post Ranges:  
BD 218.73  
Description:  
MS 6500 - Install FLS&G controlled by CWT. Crossbucks existing.

In connection with the above project, drawings dated 03/08/2006 are attached.

Remarks:

**RECEIVED**

JUN 20 2006

Illinois Commerce Commission  
RAIL SAFETY SECTION

X-12436  
T06-0037

In Service Date: \_\_\_\_\_  
Inspected By: \_\_\_\_\_  
Title: \_\_\_\_\_

94811E

Drawing Name    Sheet Number

NOTE: An asterisk (\*) indicates a sheet is for reference  
only -- there is no change)

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BD21873	C01	C02	C03	C04	C05	C06
	C07	E01	I01	P01	S01	

**Shop Material List for CSX Project: IL2006003 (Effective: 03/16/2006)**  
**Install FLS&G controlled by CWT. Crossbucks existing.**  
**Hume, IL - BD 218.73**

Catalog Num	Cond	Unit Price	Qty	Cost	Description
020-0003388	1	5424.00	1	5424.00	HOUSE 6X6L ALUM INCLUDES 5 SHELFs, FARADAY CLOSET, 120V
020-0017120	1	12.17	6	73.02	BLOCK TERMINAL 12 POST SINGLE STRIP AAR 14.1.6 WITH 1 AAR
020-0017125	1	4.88	6	29.28	BLOCK TERMINAL 2 POST AAR 14.1.8 WITH 1 AAR 14.1.11
020-0018234	1	30.69	1	30.69	CABLE CONVERTER PROTOCOL/MEDIA WAYSIDE ACCESS
020-0021965	1	8.96	1	8.96	EXTRACTOR DWG 59688-4 TERMINAL GRS CAT P3-308 REF
020-0022651	1	47.04	1	47.04	PLUGBOARD KIT TYPE B1 OR ST1 RELAY ASSEMBLY WITH 12 EACH
020-0022701	1	71.18	26	1850.68	ARRESTER LPC 15012-1 0-30V DC OR 0-24V AC RATED AT 15 AMP
020-0025595	1	17.42	1	17.42	WRENCH DWG 55393-3 GR1 "E" TERMINAL POST NUT GRS CAT
020-0053360	1	415.52	3	1246.56	CHARGER BATTERY ELC 12/20 S 20 AMP 10-19.9 VDC ROTARY SW
020-0053510	1	233.11	1	233.11	KIT 240V AC EMERGENCY GENERATOR CABLE AND
020-0055602	1	11.39	1	11.39	RELAY POTTER BRUMFIELD KHAU17D12-12V 160 OHMS
020-0056514	1	9.32	4	37.28	SOCKET RELAY POTTER & BRUMFIELD 27E166 NEWARK
020-0064060	1	68.32	2	136.64	PLATE MOUNTING FOR 2 TYPE KHAU RELAY SOCKETS ON GRS B1
020-0660077	1	506.24	1	506.24	ARRESTER GE 9L10KAC213 FOR 240 VOLT SINGLE PHASE 3 WIRE
020-0770060	1	12.32	8	98.56	ARRESTER US&S N451552-0201 TRACK SERIES RED LABEL USGA
020-0770105	1	21.28	2	42.56	ARRESTER HARMON 202217-000 AGE-1 TRACK AIR GAP EQUALIZER
020-1940055	1	8.50	1	8.50	CONTAINER CIRCUIT PRINT 24" SCHEDULE 20 4" PVC PIPE WITH
020-2503090	1	940.56	1	940.56	CONVERTER PROTOCOL/MEDIA WAYSIDE ACCESS GATEWAY (WAG)
020-2503206	1	3899.31	1	3899.31	PREDICTOR SAFETRAN GCP-4000 SEAR-III AUTO TEST PKG FOR
020-2503210	1	14276.40	1	14276.40	PREDICTOR SAFETRAN GCP-4000 2-TRACK DUAL CASE W/RECORDER
020-2901190	1	11.39	3	34.17	RELAY POTTER BRUMFIELD KHAU17A12-120 3900 OHMS
020-3430130	1	358.40	1	358.40	RELAY SAFETRAN 400023 500 OHMS CONTACTS 6FB HEAVY DUTY
020-3652615	1	31.44	1	31.44	RESISTOR ADJUSTABLE 0.340 TO 3.00 OHMS 2.24A 15W SAFETRAN
020-4200100	1	6.04	3	18.12	CONNECTOR BUS 1" CENTERS 1/2" X 36" 18 GAGE PUNCHED 1/4" X
020-4200340	1	1.04	8	8.32	LINK TEST ASSEMBLY 1" CENTERS COMPLETE WITH INSULATED

Shop Material List for CSX Project: IL2006003 (Effective: 03/16/2006)  
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Hume, IL - BD 218.73

Catalog Num	Cond	Unit Price	Qty	Cost Description
020-4200350	1	1.68	14	23.52 LINK TEST ASSEMBLY 2-3/8" CENTERS COMPLETE WITH
020-8000067	1	14.38	2	28.76 LOCK AMERICAN H10SIGRA CSX SIGNAL PADLOCK WITH BLACK
Total Cost: \$				29,420.93

**Field Material List for CSX Project: IL2006003 (Effective: 03/16/2006)**  
**Install FLS&G controlled by CWT. Crossbucks existing.**  
**Hume, IL - BD 218.73**

Catalog Num	Cond	Unit Price	Qty	Cost	Description
013-5000275	1	828.46	3	2485.38	JOINT INSULATED 115RE 39'-0" EPOXY ASSEMBLED WITH HEAD
020-0013375	1	2.16	12	25.92	BOND FROG LEG (MAIN) RAIL PLUG 10" X 3/16" SINGLE BARE
020-0013475	1	1.48	24	35.52	CONNECTOR TRACK "CHICKEN HEAD" WITH 3/16" BOND STRAND
020-0013908	1	5.06	300	1518.00	CABLE UG COMPOSITE 19 CONDUCTOR INCLUDES 13
020-0028880	1	13.71	4	54.84	BIT BONDING DRILL 3/8" COBALT WITH TIN COATING, SPECIAL
020-0052475	1	11.20	4	44.80	ARM EXTENSION 10-1/2" ALUM WITH 3/8" DIAMETER MOUNTING
020-0053065	1	3.32	12	39.84	BOND HEAD OF RAIL TRACK CONNECTOR 3/16" X 6-1/2"
020-0053220	1	1.82	150	273.00	CABLE POWER UG 3 COND NO 6 AWG, SHOW LENGTH ON EACH
020-0053863	1	16.13	2	32.26	INSULATION 0502 SWITCH ROD CSX DWG SS050 FOR MAINTENANCE OF
020-0053865	1	20.90	2	41.80	INSULATION 05010 8" GAGE PLATE 3 HOLE CSX DWG SS050
020-0054073	1	170.68	1	170.68	BRACKET ASSY GATE ARM CONVERSION INCLS BRKT MTG
020-0054075	1	1246.55	1	1246.55	GATE GARD NORMAL MOVEMENT COMPLETE WITH SHEAR PIN AND
020-0055421	1	12.24	6	73.44	BRACKET SIGN 4" OR 5" MAST W/1/2" U-BOLT FOR ALL SIGNS
020-0056628	1	6729.98	1	6729.98	SIGNAL 02216-L GCWD GATE ASSY DWG SS222 INCLS 18 FBRGL ARM
020-0056678	1	5585.54	1	5585.54	SIGNAL 0221-L GCWD GATE ASSY DWG SS222 INCLS ADJ 19 TO 28
020-0057275	1	0.80	350	280.00	WIRE UG TRACK TWISTED PAIR NO. 6 AWG SOLID CONDUCTOR
020-1040322	1	168.00	30	5040.00	BATTERY SAFT SPL165, 165 AH POCKET PLATE NICKEL CADMIUM
020-1040540	1	26.88	2	53.76	TRAY BATTERY FIBER CO 82687-1-P 12" WIDTH 24" LONG
020-1040550	1	39.20	2	78.40	TRAY BATTERY FIBER CO 82687-3-P 12" WIDTH 38"
020-1150750	1	0.53	75	39.75	BOND STRAND 3/16" DIA 7 STRANDS OF 19 STR EACH 6 WITH
020-1153550	1	2.52	8	20.16	CLIP TRACK WIRE RETAINER UNIVERSAL RAIL BASE WRAP
020-1360014	1	825.09	1	825.09	PACKAGE FOREMANS CARE FOR ALUMINUM TYPICAL BOM FOR USE
020-1360016	1	16.64	1	16.64	PACKAGE SAFETY & SECURMENT WITH 1 EA CAUTION TAG 1 EA
020-1360104	1	1080.30	1	1080.30	LAYOUT METER SERVICE WITH 30' POLE CSX DWG SS351 SH 2 ITEMS
020-2503078	1	114.39	2	228.78	MODULE SAFETRAN GATE TIP SENSOR (A80281-2) USE WITH

**Field Material List for CSX Project: IL2006003 (Effective: 03/16/2006)**  
**Install FLS&G controlled by CWT. Crossbucks existing.**  
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Catalog Num	Cond	Unit Price	Qty	Cost Description
020-2503092	1	20.33	2	40.66 KIT GATE TIP SENSOR RETAINING BRACKET INSTALLATION KIT,
020-2503094	1	30.69	2	61.38 KIT MINI TRACKSIDE SENSOR BRACKET KIT SSC 074035-8X FOR
020-3901895	1	84.00	2	168.00 TIP FLEX HWY CROSSING GATE 24 IN LONG RED & WHITE STRIPES
020-3930010	1	3.70	2	7.40 KIT GATE ARM WARNING STICKER KIT INCLUDES 1-EA 5"X3"
020-4200340	1	1.04	30	31.20 LINK TEST ASSEMBLY 1" CENTERS COMPLETE WITH INSULATED
020-4200900	1	0.24	6	1.44 CONNECTOR SHEATHING AMP 329860 FOR NO. 14 WIRE
020-9999991	1	100.00	1	100.00 BLOCKING AND BRACING FOR PROJECTS BURCO DIST
280-8030140	1	56.01	6	336.06 WELD FIELD KIT PREMIUM 115-119LB RE WITH SINGLE USE
360-0006100	1	33.78	1	33.78 STOOL STEP WOOD 14"X 20" SIGNAL MAINTAINERS CSXT
360-0800145	1	4.18	1	4.18 BROOM WAREHOUSE CORN HVY DUTY ID300

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**Total Cost: \$ 26,804.53**

**Consumables List for CSX Project: IL2006003 (Effective: 03/16/2006)**  
**Install FLS&G controlled by CWT. Crossbucks existing.**  
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Catalog Num	Cond	Unit Price	Qty	Cost Description
N/A		50.00	80	4000.00 FILL MATERIAL, 1 CUBIC YARD
N/A		800.00	1	800.00 WALKWAY ROCK, 10 CUBIC YARDS
020-0017605	1	0.22	350	77.00 WIRE CASE 10 AWG FLEX CSX SPEC SS796 OKONITE
020-0017607	1	0.54	500	270.00 WIRE CASE TW PR NO 10 AWG FLEX CSX SPEC SS796 TWIST 2
020-0017625	1	0.35	150	52.50 WIRE CASE TW PR NO 14 AWG FLEX CSX SPEC SS796 TWIST 2
020-0017630	1	0.11	200	22.00 WIRE CASE NO 16 AWG FLEX CSX SPEC SS796 FURN 1000 FT SPOOL
020-0017635	1	0.80	130	104.00 WIRE SIGNAL DEL 018 NO 6 COPPER STRANDED SINGLE
020-0028610	1	0.50	100	50.00 TERMINAL RING AMP 35628 YELLOW PLASTI-BOND HVY DUTY
020-1710045	1	2.62	200	524.00 CONDUIT SDR 13.5 4" POLYETHYLENE TRENCHLESS
020-2060072	1	666.40	2	1332.80 FOUNDATION HELICAL SCREW-IN ASSEMBLY 7' X 10" COMPLETE
020-2060074	1	476.00	2	952.00 EXTENSION 10" X 3' USE WITH XING GATE AND SIGNAL MAST
020-3261970	1	9.41	2	18.82 DECAL ASSY 2" BLACK PRESSURE SENSITIVE VINYL PRE-MASKED
020-4200880	1	0.53	2	1.06 CONNECTOR TERMINAL 2-3/8" CENTERS AAR 14.1.15-4 NICKEL
020-4200892	1	0.44	27	11.88 CONNECTOR TERMINAL 1" CENTERS AAR 14.1.15-3 NICKEL PLATED
020-4251190	1	0.45	120	54.00 TERMINAL RING AMP 35627 BLACK PLASTI-BOND WIRE SIZE 10-12
020-4251290	1	0.56	30	16.80 TERMINAL WIRE AMP 322051 BLUE WIRE SIZE NO 6 AWG 1/4" STUD
020-4251295	1	0.60	6	3.60 TERMINAL WIRE AMP 322007 BLUE WIRE SIZE NO 6 AWG 3/8" STUD
020-9999992	1	50.00	1	50.00 HOUSE, SIGNAL HANDLING CHARGE, BURCO DISTRIBUTION
450-0019212	1	0.20	100	20.00 SCREW 10 X 1" SHT METAL PAN HD TYPE A COARSE THREAD
<b>Total Cost: \$</b>				<b>8,360.46</b>

# CSX TRANSPORTATION

OP Field Labor Estimate

IL2006003, IL0188

MS 6500 - Install FLS&G controlled by CWT. Crossbucks existing.  
Hume

## Preconstruction Labor

Setup Labor 1 man day

## Boring Team

Mobilization 4 man days

Installation 6 man days

TOTAL: 10 man days

## Field Labor

Mobilization 5 man days

Installation 44 man days

Cut-In 5 man days

TOTAL: 54 man days



SSC#: E012\*  
Project#: IL2006003

Contract#: SJSA10012  
Street: C.R. 600E (MS 6500)

CSX#: IL0188  
City & State: HUME, IL

### Crossing Clearance Results

The distance from curb shoulder to mast is	10.00 feet.
The distance from the centerline of track to mast is	15.00 feet.
The angle of the crossing is	90.00 degrees.
The width of the crossing is	20.00 feet.
The total of track centers is	0.00 feet.
The clearance of the crossing is	28 feet.
The clearance time is	0 seconds.

### Approach Length Calculator Results

Approach length	1504 feet.
For speed	30 mph.
With pad (at least 25% of train speed to a maximum of 5 MPH)	5 mph.
Time	25 seconds.
Clearance time	0 seconds.
Turn on time	5 seconds.
Standard time	25.0 Seconds at 30 MPH= 1100.0 feet.
Adjusted time	5.0 Seconds at 30 MPH= 220.0 feet.
Clearance time	0.0 Seconds at 30 MPH= 0.0 feet.
Special time	25.0 Seconds at 5 MPH= 183.3 feet.
	<u>25.0 Seconds</u>
	1503.3 feet.

### Adjusted Approach Length Results For Speed Restriction

Speed on outer end of approach.	0 mph.
Distance from crossing to speed restriction.	0 feet.
Adjusted approach for speed restriction.	184 feet.

SSC#: E012\*

Contract#: SJSA10012

CSX#: IL0188

Project#: IL2006003

Street: C.R. 600E (MS 6500)

City & State: HUME, IL

### Lighting Battery Amp-Hour Calculation

Number of 3.2 watt **GATE** lights (LED or incandescent)

4 each

Number of 17 watt **MAST** lights (LED or incandescent)

5 each

Total bulb wattage is

97.80 watts.

Total bulb amps

9.78 amps.

Total load amps

0.00 amps.

Total amps

9.78 amps.

Battery amp hour requirement

107.9172 amp-hours.

Rectifier requirement is

20.00 amps.

Transformer Requirement is

300 watts



February 17, 2006

Mr. Hal Gibson  
Principal Engineer Public Projects  
CSX Transportation, Incorporated  
500 Water St.  
J-301  
Jacksonville, Florida 32207

RE: HUME, IL  
C.R. 600E (MS 6500)

DOT / AAR NO. 154497T  
OP NO. IL0188

SSC NO. SJSA10012-E012  
Project NO. IL2006003

Dear Mr. Gibson:

This survey package is for the installation of new crossing signals at C.R. 600E (MS 6500) as requested by The Illinois Commerce Commission.

The crossing is located on non-signalized track. The timetable train speed is 30 mph on the main track with four through/switching movements per day. There are no adjacent crossings within the approaches at this location.

A field survey was conducted on January 30, 2006 with the following personnel: Mr. Chuck Gilbert, Safetran Systems Surveyor and Mr. Jerrod Myer CSX Maintenance Representative. There was no representative from CSX Construction. The proposed crossing configuration details were discussed as outlined in this survey.

The proposed crossing will consist of bell, flashing lights and gates as requested by the Illinois Commerce Commission. The northwest quadrant will consist of a bell, flashing lights and a 19' gate with 20 cubic yards of fill. The southeast quadrant will consist of flashing lights and a 17' gate with a set of one-way sidelights and 20 cubic yards of fill. This survey will include the SAF 4000 enclosed in a new 6'x 6' aluminum house and meter service which will be located in the southeast quadrant and will require approximately 40 cubic yards of fill for proper support and grading. All crossing details are shown on the proposed layout BD21873.001. Please advise of any changes.

Traffic preemption is not required at this location. Hand digging will be required in the northwest quadrant due to an underground gas line. Upon approval of survey package, a power request letter will be sent to Ameren CIPS by Safetran Systems on CSX's behalf for further handling. All utilities should be remarked prior to construction to assure there are no new conflicts with the light and gate placement.

Sincerely,

  
Vincent Rogers  
Senior Engineering Technician

<h1>CSX</h1> <h2>TRANSPORTATION</h2>	<h3>CROSSING EVALUATION REPORT</h3>	DATE OF SURVEY: <u>01-30-2006</u>
		REVISED DATE: <u>02-08-2006</u>
		CONTRACTOR NO: <u>E012</u>
		CSXT PROJECT NO: <u>IL2006003</u>

LOCATION: HUME, EDGAR CO., ILLINOIS  
City, (County), State

ROADWAY: C.R. 600E (MS6500)  
Number(s) and/or Name(s)

CITY LIMITS: YES TOWNSHIP: YOUNG AMERICA AMTRAK ROUTE: NO

DOT #: 154497T OP #: IL0188 RR M.P.: BD-218.73

OPERATING UNIT/ REGION: MIDWEST BRANCH NAME: N/A

DIVISION: NASHVILLE SPUR NAME: N/A

SUBDIVISION: DECATUR If Branch Line or Spur Track, Provide Milepost of Switch at Mainline: N/A

GLOBAL POSITIONING SYSTEM (GPS) COORDINATES

LATITUDE: N 39° 48' 56" LONGITUDE: W 87° 52' 41" ELEVATION: 637 FT.

## EXISTING WARNING DEVICE DATA

- (1) CROSSBUCKS: YES QTY.: N/A 2
- (2) FLASHERS: NO QTY.: N/A LENS SIZE: N/A
- (3) GATES: NO QTY.: N/A LENS SIZE: N/A LENGTH: N/A
- (4) CANTILEVERS: NO QTY.: N/A LENS SIZE: N/A LENGTH: N/A
- (5) OTHER: N/A  
(INCLUDE ANY ADDITIONAL OR NON-STANDARD DEVICES EXISTING I.E. Sidights, Left Hand Signals, Poured In Place Foundations, ETC.)
- (6) ARE THE EXISTING FOUNDATIONS POURED? NO Quadrants: N/A
- (7) DO EXISTING DEVICES MEET MINIMUM HORIZONTAL REQUIREMENTS?  
 Gate Arm: N/A Gate arm (3'-6" Min. & 4'-6" Max.) from crown of roadway in Horizontal position.  
 Cantilever Arm: N/A Cantilever Arm Walkout (17'-0" Min. vertical clearance) from crown of roadway.
- (8) DOT # PLATE POSTED: NO (9) EMERGENCY NUMBER SIGN (ENS) POSTED: YES
- (10) DOES DOT # PLATE AND/OR ENS SIGN MATCH FILE INFORMATION? YES
- (11) EXISTING CONTROL EQUIPMENT CABINET (specify Size and Quadrant): N/A
- (12) DETECTION CIRCUITRY (EACH TRACK): N/A
- (13) FREQUENCIES (EACH TRACK): N/A
- (14) DRAWING NO.: N/A
- (15) IS THERE EXISTING PRE-EMPTION CIRCUITRY INSTALLED? NO
- (16) IS THERE EXISTING EQUIPMENT THAT WILL BE REUSED? NO  
 If "YES", Provide Manufacturer and model: N/A
- (17) MAIN MAST DIAMETER: Flasher: N/A Gate: N/A Cantilever: N/A CONDITION: N/A
- (18) MAIN MAST TYPE: Flasher: N/A Gate: N/A Cantilever: N/A CONDITION: N/A
- (19) LIGHT MOUNT DIAMETER: Flasher: N/A Gate: N/A Cantilever: N/A CONDITION: N/A
- (20) GATE MECH. TYPE: N/A CONDITION: N/A
- Is there a 0 - 5 degree contact available in the gate mech.? N/A
- If "NO", is there a space to add one? N/A (21) STUB MAST: N/A

## EXISTING ROADWAY DATA

- (1) ANGLE OF EXISTING ROADWAY: 90° (2) WIDTH OF EXISTING ROADWAY: 20'
- (3) VEHICLE SPEED: 25 (4) TYPE OF ROAD SURFACE: ASPHALT
- (5) ARE THERE EXISTING ROADWAY SHOULDERS PRESENT?  
NO (If YES, Provide the existing Width and Type) WIDTH: N/A TYPE: N/A
- (6) PHYSICAL/SIGHT OBSTRUCTIONS:  
 N.E. QUAD: N/A S.E. QUAD: N/A  
 N.W. QUAD: N/A S.W. QUAD: N/A
- (7) WILL HIGHWAY AUTHORITIES NEED TO REMOVE SIGHT OBSTRUCTIONS?  
(UTILITY POLES, BRUSH, OVERHANGING LIMBS, OR SIGNS WHICH BLOCK MOTORIST VIEWS OF SIGNAL OR EXISTING CROSSBUCKS)  
NO (If YES, Describe obstructions below, include photos, and obtain Highway Authority Name/Address/Phone)  
N/A
- (8) WHAT IS THE NEAREST STREET/HOUSE/BUSINESS ADDRESS NUMBER (FOR 911 EMERGENCY):  
22452 C.R. 600E  
(INCLUDE DISTANCE AND DIRECTION FROM THE CROSSING, AND INCLUDE PHOTO OF THE BUILDING)
- (9) NAME / DISTANCE / DIRECTION OF NEAREST INTERSECTING STREET:  
FRONT ST. / 1/4 MILE / SOUTH  
(INCLUDE DISTANCE AND DIRECTION FROM THE CROSSING, AND INCLUDE PHOTO OF STREET SIGN)
- (10) IS EXISTING DRAINAGE SUFFICIENT AT CROSSING?  
YES (If NO, List all quadrants that apply with descriptions below, and include photos)  
N/A
- (11) ARE "U.S. COAST & GEOLOGIC (GEODEDIC) SURVEY" MARKERS PRESENT?  
NO (If YES, describe in detail below, and include photos)  
N/A

## COMMERCIAL POWER UTILITY DATA

- (1) DOES THIS LOCATION HAVE A COMMERCIAL POWER SOURCE?  
YES (If YES, provide meter service number/location/condition) 93 294 216 / S.E. QUAD / FAIR  
 (If NO, provide distance and direction commercial power must be constructed to crossing) N/A
- (2) COMMERCIAL POWER COMPANY INFORMATION:  
 Name/Address/Phone: AMEREN CIPS 2105 E. S.R. 104, PAWNEE. IL 62558  
888-789-2477
- (3) DOES EXISTING COMMERCIAL POWER SOURCE GO TO or COME FROM ANOTHER LOCATION?  
YES (If YES, provide distance and direction to other locations and power source feed point)  
52' / EAST
- (4) ARE THERE COMMERCIAL POWER HI-TENSION LINES?  
YES (If YES, provide height to low wire/cable) 38' V.O.H.C.
- (5) ARE THERE COMMERCIAL POWER SUBSTATIONS?  
NO (If YES, provide distance and direction from crossing) N/A
- (6) WILL COMMERCIAL POWER LINES REQUIRE RAISING OR RELOCATION?  
NO (If YES, provide heights) Existing: N/A V.O.H.C. Proposed: N/A V.O.H.C.
- (7) WILL A NEW METER SERVICE BE REQUIRED?  
YES (If YES, provide number/height of poles required) Number: 1 Height: 30'

# EXISTING TRACK DATA

TRACK CIRCUITRY: NON-SIGNALLED TRACK

(FOR EACH TRACK: SIGNALLED, NON-SIGNALLED. CODED: EXPLAIN, SHOW LIMITS ON EXHIBITS)

TRACK ID	MAX. TRAIN SPEED	OPERATING RULES	BLOCK TYPE/NAME	MOVES PER DAY	TYPE OF MOVES
M/L	30	TWC-DTC	NEWMAN	4	THRU/SWITCHING

Time Table Direction - RAILROAD WESTTo: Decatur

TRACK ID: M/L

TYPE OF TRACK - 11525RE CWR

TRACK ID:

TYPE OF TRACK -

TRACK ID:

TYPE OF TRACK -

Total Track Centers: \_\_\_\_\_

ROADWAY

Note: Sketch additional rail features as required.

Indicate type of track on the sketch above. Indicate on the chart below with an "X", the corresponding rail weight and bolt spacing. If additional rail sizes and bolt spacing are present indicate size, spacing, and limits on the "Existing Block Layout" survey drawing.

<input checked="" type="checkbox"/>	TYPE	WEIGHT PER YD	SECTION	JOINT PUNCHING	<input checked="" type="checkbox"/>	TYPE	WEIGHT PER YD	SECTION	JOINT PUNCHING
<input type="checkbox"/>	1	140	R.E.	6'6" 7'1/8" 6'6"	<input type="checkbox"/>	20	100	R.E.	7'6" 7'
<input type="checkbox"/>	2	140	R.E.	6'2" 6'2" 5'1/8" 6'2" 6'2"	<input type="checkbox"/>	21	100	A.R.A.A.	7'2" 5'7 1/2"
<input type="checkbox"/>	3	136	R.E.	6'6" 6'7 1/8" 6'6"	<input type="checkbox"/>	22	100	A.R.A.A.	5'1/2" 4'4" 4'5 1/2"
<input type="checkbox"/>	4	132	R.E.	6'6" 7'1/8" 6'6"	<input type="checkbox"/>	23	100	R.B.	6'6" 6'
<input type="checkbox"/>	5	132	R.E.	6'2" 6'2" 5'1/8" 6'2" 6'2"	<input type="checkbox"/>	24	100	R.B.	5'1/2" 4'4" 4'5 1/2"
<input type="checkbox"/>	6	131	R.E.	6'2" 6'2" 5'1/8" 6'2" 6'2"	<input type="checkbox"/>	25	100	A.S.C.E.	7'6" 7'
<input type="checkbox"/>	7	130	R.E.	6'2" 6'2" 5'1/8" 6'2" 6'2"	<input type="checkbox"/>	26	90	A.R.A.A.	5'5" 5'
<input type="checkbox"/>	8	130	R.E.	5'2" 5'2" 5'2"	<input type="checkbox"/>	27	90	A.R.A.A.	5'1/2" 5'2" 5'1/2"
<input type="checkbox"/>	9	130	R.E.H.T.	6'2" 6'2" 5'1/8" 6'2" 6'2"	<input type="checkbox"/>	28	90	A.R.A.A.	5'2" 4'4" 4'5 1/2"
<input type="checkbox"/>	10	127	DUD	5'1/8" 5'1/8" 5'1/8" 5'1/8" 5'1/8"	<input type="checkbox"/>	29	90	R.B.	5'2" 5'2" 5'1/2"
<input type="checkbox"/>	11	122	C.B.	6'6" 6'7 1/8" 6'6"	<input type="checkbox"/>	30	90	A.S.C.E.	7'6" 7'
<input checked="" type="checkbox"/>	12	115	R.E.	6'6" 6'7 1/8" 6'6"	<input type="checkbox"/>	31	85	A.S.C.E.	5'4 1/2" 5'
<input type="checkbox"/>	13	115	R.E.	6'2" 6'2" 5'1/8" 6'2" 6'2"	<input type="checkbox"/>	32	85	A.S.C.E.	5'8" 5'
<input type="checkbox"/>	14	113	R.E.	6'2" 5'1/8" 6'2"	<input type="checkbox"/>	33	85	A.S.C.E.	5'5" 5'
<input type="checkbox"/>	15	112	R.E.	6'2" 6'2" 5'1/8" 6'2" 6'2"	<input type="checkbox"/>	34	85	A.S.C.E.	6'5" 5'5" 6'
<input type="checkbox"/>	16	112	R.E.	6'2" 5'1/8" 6'2"	<input type="checkbox"/>	35	85	DUD	6'6" 1/8" 6"
<input type="checkbox"/>	17	110	R.E.	5'1/2" 5'2" 5'1/2"	<input type="checkbox"/>	36			Other
<input type="checkbox"/>	18	105	DUD	7'7" 4'11/16" 7'7"	<input type="checkbox"/>	37			Other
<input type="checkbox"/>	19	100	R.E.	5'1/2" 5'2" 5'1/2"	<input type="checkbox"/>	38			Other

Track ID	Jointed or Welded	Is Rail Rusty	Turnouts Pre-Insulated	Gauge Rods	Bonds Quantity	Bonds Type	Ballast Type and Condition
M/L	WELDED	NO	NO	NONE	N/A	N/A	LIMEROCK / FAIR

Roadmaster name and mailing address if insulated joints are required:

GAIL FREE

## RAILROAD POLELINE DATA

(1) ARE THERE RAILROAD HI-TENSION LINES?

NO (If YES, provide height to low wire/cable) N/A V.O.H.C.

(2) ARE THERE RAILROAD POWER SUBSTATIONS?

NO (If YES, provide distance and direction from crossing) N/A

(3) WILL RAILROAD POLELINE REQUIRE RAISING or RELOCATION?

NO (If YES, provide heights) Existing: N/A V.O.H.C. Proposed: N/A V.O.H.C.

(4) WILL RAILROAD POLELINE REQUIRE BURIAL?

NO (If YES, provide length of burial required) N/A

(5) WILL RAILROAD POLELINE REQUIRE REMOVAL DUE TO OUT-OF-SERVICE / ABANDONMENT?

NO (If YES, provide length of removal required) N/A Number of Back-Guys (If Required) N/A

## FOREIGN / JOINT RAILROAD DATA

(1) DOES FOREIGN RR CROSS OR GO PARALLEL?

NO (If YES, provide distance and direction) N/A

(2) ANY JOINT RR FACILITIES WITHIN ONE MILE?

NO (If YES, Provide explanation of how maintenance responsibilities are divided below?)

N/A

(3) IS THERE JOINT TRACKAGE ARRANGEMENT WITH ANOTHER RR?

NO (If YES, name of foreign RR.) N/A

(4) IS THERE INTERCONNECTED CIRCUITRY WITH ANOTHER RR?

NO (If YES, provide description) N/A

## ONE CALL SYSTEMS INTERNATIONAL UTILITY LOCATE NUMBER

COMPANY: JULIE INC PHONE: 800-892-0123

DATE AND TIME CALLED: 01-23-06 / 3:25 PM

OPERATOR CONTACTED: PATTI LOCATE ID #: X0230828

WERE UTILITIES MARKED? YES ARE THERE UTILITY CONFLICTS? YES

ARE THERE CALL BEFORE YOU DIG SIGNS? YES

COMMENTS:

**OVERHEAD / UNDERGROUND UTILITY DATA**UTILITY TYPE: GAS UTILITY NAME: CENTRAL ILLINOIS LIGHT COMPANYCONTACT NAME: \_\_\_\_\_ PHONE NUMBER: 800-892-0123

CONTACT MAILING ADDRESS: \_\_\_\_\_

WERE UTILITIES MARKED? YES ARE THERE UTILITY CONFLICTS? YESARE THERE CALL BEFORE YOU DIG SIGNS? YESCOMMENTS: TICKET #X0230828 - 8' OFF EDGE OF ROADUTILITY TYPE: FIBER OPTIC UTILITY NAME: VERIZON

CONTACT NAME: \_\_\_\_\_ PHONE NUMBER: \_\_\_\_\_

CONTACT MAILING ADDRESS: \_\_\_\_\_

WERE UTILITIES MARKED? YES ARE THERE UTILITY CONFLICTS? NOARE THERE CALL BEFORE YOU DIG SIGNS? YESCOMMENTS: TICKET #X0230828 - 14' OFF EDGE OF ROADUTILITY TYPE: CATV UTILITY NAME: CLEARVISIONCONTACT NAME: \_\_\_\_\_ PHONE NUMBER: 866-923-5594

CONTACT MAILING ADDRESS: \_\_\_\_\_

WERE UTILITIES MARKED? YES ARE THERE UTILITY CONFLICTS? NOARE THERE CALL BEFORE YOU DIG SIGNS? YESCOMMENTS: TICKET #X0230828 - 15' OFF EDGE OF ROAD & 52' FROM THE CENTER OF THE TRACKUTILITY TYPE: WATER UTILITY NAME: VILLAGE OF HUMECONTACT NAME: \_\_\_\_\_ PHONE NUMBER: 800-892-0123

CONTACT MAILING ADDRESS: \_\_\_\_\_

WERE UTILITIES MARKED? YES ARE THERE UTILITY CONFLICTS? NOARE THERE CALL BEFORE YOU DIG SIGNS? NOCOMMENTS: TICKET #X0230828 - 1' OFF EDGE OF ROAD



**OVERHEAD / UNDERGROUND UTILITY DATA**

UTILITY TYPE: N/A UTILITY NAME: \_\_\_\_\_  
CONTACT NAME: \_\_\_\_\_ PHONE NUMBER: \_\_\_\_\_  
CONTACT MAILING ADDRESS: \_\_\_\_\_  
WERE UTILITIES MARKED? YES/NO ARE THERE UTILITY CONFLICTS? YES/NO  
ARE THERE CALL BEFORE YOU DIG SIGNS? YES/NO  
COMMENTS: \_\_\_\_\_

UTILITY TYPE: N/A UTILITY NAME: \_\_\_\_\_  
CONTACT NAME: \_\_\_\_\_ PHONE NUMBER: \_\_\_\_\_  
CONTACT MAILING ADDRESS: \_\_\_\_\_  
WERE UTILITIES MARKED? YES/NO ARE THERE UTILITY CONFLICTS? YES/NO  
ARE THERE CALL BEFORE YOU DIG SIGNS? YES/NO  
COMMENTS: \_\_\_\_\_

UTILITY TYPE: N/A UTILITY NAME: \_\_\_\_\_  
CONTACT NAME: \_\_\_\_\_ PHONE NUMBER: \_\_\_\_\_  
CONTACT MAILING ADDRESS: \_\_\_\_\_  
WERE UTILITIES MARKED? YES/NO ARE THERE UTILITY CONFLICTS? YES/NO  
ARE THERE CALL BEFORE YOU DIG SIGNS? YES/NO  
COMMENTS: \_\_\_\_\_

UTILITY TYPE: N/A UTILITY NAME: \_\_\_\_\_  
CONTACT NAME: \_\_\_\_\_ PHONE NUMBER: \_\_\_\_\_  
CONTACT MAILING ADDRESS: \_\_\_\_\_  
WERE UTILITIES MARKED? YES/NO ARE THERE UTILITY CONFLICTS? YES/NO  
ARE THERE CALL BEFORE YOU DIG SIGNS? YES/NO  
COMMENTS: \_\_\_\_\_

# PROPOSED

## WARNING DEVICE / CONTROL EQUIPMENT DATA

- (1) BELLS: YES QTY.: 1 ✓
- (2) FLASHERS: NO QTY.: N/A LENS SIZE: N/A
- (3) GATES: YES QTY.: 2 ✓ LENS SIZE: 12" LENGTH: 17' 19'
- (4) CANTILEVERS: NO QTY.: N/A LENS SIZE: N/A LENGTH: N/A
- (5) BRIDGE SIGNALS: YES QTY.: N/A LENS SIZE: N/A LENGTH: N/A
- (6) CANT/GATE COMBINATIONS: NO QTY.: N/A LENS SIZE: N/A LENGTH: N/A
- (7) OTHER: SET OF ONE-WAY SIDELIGHTS ✓

(INCLUDE ANY ADDITIONAL OR NON-STANDARD DEVICES REQUIRED I.E. Sidelights, Left Hand Signals, ETC.)

- (8) WILL ANY OF THE PROPOSED DEVICES REQUIRE A POURED-IN-PLACE FOUNDATION?

NO ✓ (If YES, Provide Quadrant(s) and purpose. N/A)

- (9) ARE THERE SIDE STREETS THAT REQUIRE ADDITIONAL SIDELIGHTS INSTALLED?

NO ✓ (If YES, Provide Name, Distance from Track to Side Street, and Quadrant)  
N/A

- (10) IS THE PROPOSED UPGRADE TO INCLUDE A FOUR-QUADRANT GATE SYSTEM?

NO ✓ (If YES, Provide Exit Gate Delay/Dwell Time required) Time: N/A

- (11) PRE-EMPTION CIRCUITRY REQUIRED?: NO

(If YES, provide Name, Distance, and Direction to signalized intersection) N/A

(If provided, what Sequence of Timing or designation of Advanced/Simultaneous pre-emption has been requested by the Roadway Authority?) Amount of Time (sec.): N/A

Timing Sequence: N/A

Authorizing Agency /  
Roadway Traffic Engineer  
Name/Address/Phone: N/A

Date of Requirement: N/A

- (12) PROPOSED CASE / HOUSE SIZE: 6' X 6' ALUMINUM HOUSE ✓

- (13) QUADRANT PLACEMENT FOR PROPOSED CASE / HOUSE: S.E. ✓

- (14) PROPOSED CONTROL EQUIPMENT RECOMMENDED/REQUESTED BY CSXT REPRESENTATIVE:

Note Equipment for Each Track Here: SAF 4000 GCP ✓

# PROPOSED ROADWAY DATA

(1) ANGLE OF PROPOSED ROADWAY: 90° (2) WIDTH OF PROPOSED ROADWAY: 20'

(3) PROPOSED VEHICLE SPEED: 25 (4) PROPOSED ROAD SURFACE TYPE: ASPHALT

(5) ARE ROADWAY SHOULDERS INVOLVED IN THE PROPOSED CROSSING IMPROVEMENTS?

NO (If YES, describe Location, Width, and Type shoulder involved)

N/A

(6) ARE THERE CURBS OR SIDEWALKS THAT WILL INTERFERE WITH THE PROPOSED UPGRADES?

NO (If YES, describe interference below, and include photos)

N/A

(7) IS THERE ROOM AT THE CROSSING TO STORE EQUIPMENT DURING CONSTRUCTION?

YES (If YES, specify which Quadrant) S.W.

(If NO, specify where Equipment can be stored) N/A

(8) WILL THE EXISTING TOPOGRAPHY AT THE CROSSING AFFECT THE INSTALLATION?

NO (If YES, List all quadrants that apply with descriptions below, and include photos)

N/A

(NOTE IF TERRAIN, SLOPE, or UTILITIES WILL AFFECT EQUIPMENT STABILIZATION FOR: Directional Boring, Jack & Bore, Boom Truck Positioning, ETC.)

(9) EXTEND OR RELOCATE EXISTING CULVERT(s), or INSTALL NEW CULVERT(s)?

NO (If YES, List all quadrants that apply with descriptions below, and include photos)

N/A

(10) IS FILL MATERIAL REQUIRED FOR CROSSING IMPROVEMENTS?

YES (If YES, Provide total Cubic Yards needed, and breakdown by Quadrants) TOTAL = 80 YARDS

20 YARDS N.W. / 20 YARDS S.E. / 40 YARDS S.E. (HOUSE)

(11) INSTALL OR EXTEND CRIB WALL FOR CROSSING IMPROVEMENTS?

NO (If YES, List all quadrants that apply with measurements below, and include photos)

Enter measurements here: N/A

(SHOW CRIBBING AND PLACEMENT ON FIELD SURVEY DRAWING ALSO)

(12) CONDUIT LENGTH REQUIRED: 200'

# PROPOSED

## REMOTE / APPROACH DATA

- (1) IS THERE A CONTROL POINT OR INTERLOCKING WITHIN THE CROSSING APPROACH?  
NO (If YES, Describe distance, direction, and how it will be affected by the proposed improvements)  
N/A
- (2) REMOTE CASE OR HOUSE REQUIRED?  
NO (If YES, Describe size and location for remote house below) N/A
- (3) WILL A NEW METER or U.G. POWER CABLE BE REQUIRED FOR ANY REMOTE LOCATIONS?  
NO (If YES, provide distance and direction power must be constructed to remote location)  
N/A
- (4) WILL THIS PROJECT INVOLVE MODIFICATIONS TO THE RR POLELINE OR SIGNAL SYSTEM?  
NO (If YES, Include photos & describe in detail the involvement and necessary corrective action below)  
☐ RR Poleline Involvement ☐ RR Signal System Involvement  
N/A
- (5) WILL DAX CABLE INSTALLATION BE REQUIRED TO REMOTE OR APPROACH LOCATIONS?  
NO (If YES, Describe location, distance, and direction to adjacent DAX location) N/A
- (6) WILL THE EXISTING TOPOGRAPHY IN THE APPROACHES AFFECT THE INSTALLATION?  
NO (If YES, List all locations or areas that apply with descriptions below, and include photos)  
N/A  
(NOTE IF TERRAIN, SLOPE, or UTILITIES WILL AFFECT EQUIPMENT STABILIZATION FOR: Shunt Plates, Shunt Enclosure, DAX Cable Installation, ETC.)  
 Field Forces preferred shunt enclosure type: ☐ Shunt Plates ☐ Shunt Tubes
- (7) IS FILL MATERIAL REQUIRED FOR REMOTE OR APPROACH LOCATIONS?  
NO (If YES, Provide location and total Cubic Yards needed) N/A
- (8) INSTALL OR EXTEND CRIB WALL FOR REMOTE OR APPROACH LOCATIONS?  
NO (If YES, List all quadrants that apply with measurements below, and include photos)  
 Enter measurements here: N/A  
(SHOW CRIBBING AND PLACEMENT ON FIELD SURVEY DRAWING ALSO)
- (9) ARE THERE ANY SHUNT TYPE SWITCHES, LOCKS, or SPURS WITHIN CROSSING APPROACH?  
NO (If YES, Describe distance, direction, and how they will be affected by the proposed improvements)  
N/A
- (10) ARE THERE ANY INVOLVED SWITCHES THAT WILL REQUIRE INSULATION?  
YES (If YES, Describe distance, direction, and how they will be affected by the proposed improvements)  
916' / WEST
- (11) WILL THE EXISTING BALLAST CONDITIONS AFFECT THE CIRCUITRY SELECTED?  
NO (If YES, Describe the existing condition) N/A

## ADDITIONAL NOTES/COMMENTS

<Scope> INSTALL FLSCG CONTROLLED BY SAF 4000/CWT

NE QUAD -

NW QUAD - PROPOSED FLSCG TO BE LOCATED IN THE N.E. QUADRANT WITH 20 YARDS OF FILL.

SE QUAD - PROPOSED FLSCG WITH A SET OF ONE-WAY SIDEWALKS AND 20 CUBIC YARDS OF FILL. 6' X 6' ALUMINUM HOUSE AND NEW METER SERVICE WITH 40 YARDS OF FILL.

SW QUAD -

<Details / Conflicts>

1. WARNING DEVICES TO BE ACTIVATED BY SAF 4000 GCP.
2. POWER LINES ARE 38' ABOVE THE ROAD.
3. HAND DIGGING WILL BE REQUIRED IN THE N.W. QUADRANT DUE TO AN UNDERGROUND GAS LINE



# DRAWING REQUIREMENTS

1. SHOW A "REALISTIC PRESENTATION OF THE HIGHWAY AND RAILROAD GEOMETRICS IN THE AREA OF THE GRADE CROSSING".
  - a. Centerline of track(s) and right-of-way lines (if available) with appropriate dimensions on existing and proposed surveys.
  - b. Show centerline of highway crossing at horizontal midpoint with tracks and angle (in degrees) of crossing.
  - c. Detail "edge of pavement" or "edge of curb" and dimension width of pavement, travel lanes and gutter (if present).
  - d. Show also the following with dimensions:
    - (1) Sidewalks
    - (2) Grass Strips
    - (3) Driveways
    - (4) Parallel Streets and driveways (to Railroad and within 100 feet)
    - (5) Utility poles, including proposed service pole
    - (6) Railroad C&S Lines and poles
    - (7) Any underground utilities indicated by surface markings, such as "Call before you dig signs", vents, drains, etc.
2. COVER LETTER
  - a. Basic items to be covered (in order)
    - (1) State proposal
    - (2) Present warning devices
    - (3) Contract company's recommendations for crossing
    - (4) Special problems at crossing
3. LASTLY:
  - a. Show arrow for magnetic north.
  - b. Show Timetable direction:
    - (1) Left Side of Survey - North, West
    - (2) Right Side of Survey - South, East
- c. Profile drawings showing a realistic presentation of approaches for crossing including such things as:
  - (1) Railroad Signals
  - (2) Switches (Hand, Power and Electric Lock), Frogs, Slide Fences, Defect Detectors
  - (3) Railroad Diamonds
  - (4) Highway Crossings (Control Equip. and Freq.)
  - (5) Etc. - Existing insulated joints, cases, terminations, couplers, ballast deck and open deck bridges
  - (6) All items above to have footages shown referenced back to crossing
  - (7) Distance From Switch Point to Insulated Joints at frog, and at fouling point as well as in front of point.
4. NOTES AND COMMENTS ARE REQUIRED FOR:
  - a. Foundation placements from centerline of nearest track on ninety (90) degree or more crossings.
  - b. Gate tip distances from centerline of nearest track on crossings less than ninety (90) degrees.
  - c. If there is no interference with light-gate operation state:  
**"NO INTERFERENCE WITH LIGHT-GATE OPERATION"**  
 (Bottom left corner of survey drawing)
  - d. Show house location.
  - e. It is the responsibility of the survey contractor to contact the appropriate CSX Signal Supervisor and make arrangements to meet him or his representative at survey site. If contractor has difficulty contacting the supervisor, the appropriate District Signal Engineer should be called for assistance. If neither can be contacted, contractor may call the CSX engineering office for assistance.
  - f. The existing and proposed survey drawings for the immediate crossing will have a scale of 1:20.
5. FOR COMPLETE PROCEDURES REGARDING DATA COLLECTION ON FORMS AND DRAWINGS SEE "Crossing Field Survey Procedures manual, section 1 & 2.

# SURVEY ATTESTED

OBTAIN NAME, SIGNATURE, TITLE, AND PHONE NUMBER OF ALL REPRESENTATIVES  
FROM EACH ATTENDING AGENCY PRESENT DURING THE FIELD SURVEY.

(Obtain and include business card if available)

<b>RR MAINTENANCE REPRESENTATIVE</b>		<b>SIGNATURE:</b>	
(PRINT NAME) <u>Jerrad S. Myer.</u>			
TITLE: <u>Signal Maintainer.</u>			
PHONE: <u>217-962-0167.</u>			
E-MAIL:			
<b>RR CONSTRUCTION REPRESENTATIVE</b>		<b>SIGNATURE:</b>	
(PRINT NAME)			
TITLE:			
PHONE:			
E-MAIL:			
<b>RR FACILITIES REPRESENTATIVE</b>		<b>SIGNATURE:</b>	
(PRINT NAME)			
TITLE:			
PHONE:			
E-MAIL:			
<b>CONTRACTOR SURVEY REPRESENTATIVE</b>		<b>SIGNATURE:</b>	
(PRINT NAME) <u>CHUCK GILBERT</u>			
TITLE: <u>SURVEYOR</u>			
PHONE: <u>502-439-4183</u>			
E-MAIL:			
<b>ROAD AUTHORITY REPRESENTATIVE</b>		<b>SIGNATURE:</b>	
(PRINT NAME)			
TITLE:			
PHONE:			
E-MAIL:			
<b>SUPERVISOR OF SIGNAL MAINTENANCE:</b>		<b>SUPERVISOR OF SIGNAL CONSTRUCTION:</b>	
<u>CHARLIE WARE</u>			
OFFICE#:	FAX#:	OFFICE#:	FAX#:
PAGER#:	MOBILE#: <u>904-923-7378</u>	PAGER#:	MOBILE#:
E-MAIL ADDRESS:		E-MAIL ADDRESS:	